

Appl. No. : 09/887,553
Filed : June 22, 2001

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Please withdraw claims 19-20.

Claim 1 (original): A pogo stick that is collapsible for ease of transportation and compact storage while having a rugged construction that ensures high quality and durability and having a pneumatic spring of selectively variable stiffness comprising:

a handlebar including at least one elongate member, said elongate member comprising an upper tube and a lower tube in which one tube telescopes into the other;

first and second collapsible grips supported by said upper tube;

a collapsible footrest supported by said lower tube;

a cylinder supported by said lower tube;

a pneumatic spring piston located within said cylinder;

a tipped bottom shaft coupled at an upper end to said piston, said tipped bottom shaft being substantially collapsible into said cylinder; and

a manual pump substantially contained within said tipped bottom shaft.

Claim 2 (original): A pogo stick that is collapsible for ease of transportation and compact storage and having a pneumatic spring comprising;

a handlebar including at least one elongate member, said elongate member comprising a lower tube and an upper tube in which one tube telescopes into the other;

first and second collapsible grips supported by said upper tubes;

a collapsible footrest supported by said lower tubes;

a cylinder supported by said lower tubes;

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a pneumatic spring piston located within said cylinder; and

a shaft having an upper end coupled to said pneumatic spring piston, said shaft being substantially collapsible into said cylinder.

Claim 3 (original): A pogo stick that is very durable and is collapsible for ease of transportation and compact storage comprising:

a collapsible footrest;

a handlebar including at least one elongate member, said elongate member slidably coupled to said footrest;

collapsible grips supported at a top end of said elongate member; and

a positioning device for releasably holding said elongate member in a fixed position relative to said footrest.

Claim 4 (original): A pogo stick that is very durable and is collapsible for ease of transportation and compact storage comprising:

a handlebar including at least one elongate member;

first and second collapsible grips supported at a top end of said elongate member;

a pneumatic spring including a cylinder defining a cavity therein and a shaft extending from said cylinder, said elongate member being slidably coupled to said cylinder; and

a positioning device for releasably holding said elongate member in a fixed position relative to said cylinder;

whereby said pogo stick can be collapsed into a small volume by lowering said handlebar relative to said cylinder and collapsing said grips.

Claim 5 (original): The pogo stick of Claim 4, further comprising a collapsible footrest mounted at a bottom end of said cylinder.

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Claim 6 (original): The pogo stick of Claim 5 wherein said footrest is provided with a threaded through hole and wherein said cylinder is formed with outer threads for engagement with said threaded through hole.

Claim 7 (original): The pogo stick of Claim 4 wherein said elongate member comprises an upper tube and a lower tube, said lower tube coupled to said cylinder, said upper tube telescoping with said lower tube.

Claim 8 (original): The pogo stick of Claim 7 wherein said cylinder is provided at a top end with at least one fastening ring extending therefrom for coupling said lower tube to said cylinder.

Claim 9 (original): The pogo stick of Claim 4, further comprising at least one bracket mounted on said cylinder, said elongate member being slidably engaged within said bracket.

Claim 10 (original): The pogo stick of Claim 4, further comprising a means for adjusting the gas pressure in said cylinder.

Claim 11 (original): The pogo stick of Claim 4, further comprising a manual pump coupled to said cylinder and in communication with said cavity of said cylinder for adjusting the gas pressure in said cylinder.

Claim 12 (original): The pogo stick of Claim 4, further comprising a two-way valve coupled to said cylinder for selectively providing communication between said cavity in said cylinder and the atmosphere.

Claim 13 (original): The pogo stick of Claim 4 wherein said shaft is fully advanceable into said cylinder to reduce the volume of said pneumatic spring when not in use.

Claim 14 (original): A pogo stick that is very durable and is collapsible for ease of transportation and compact storage comprising:

a handlebar including at least one elongate member, said elongate member comprising a lower tube and an upper tube, said upper tube being telescopically insertable into said lower tube;

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a positioning device for releasably clamping said upper tube in a fixed position relative to said lower tube;

a middle tube transversely mounted to said upper tube, said middle tube having first and second ends;

first and second grips coupled to said first and second ends of said middle tube;

a platform transversely mounted to said lower tube, said platform having first and second ends; and

first and second plates pivotally mounted to said first and second ends of said platform.

Claim 15 (original): The pogo stick of Claim 14, further comprising a pneumatic spring attached to said lower tube.

Claim 16 (original): The pogo stick of Claim 14 wherein said first and second grips are detachably fastened to said first and second ends of said middle tube.

Claim 17 (original): The pogo stick of Claim 16 further comprising an elastic cord extending lengthwise through said middle tube and attached to said first and second grips for preventing said grips from becoming separated from said middle tube.

Claim 18 (original): A pogo stick that is very durable and is collapsible for ease of transportation and compact storage comprising:

a collapsible footrest;

a handlebar including at least one elongate member, said elongate member coupled to said footrest wherein said handlebar is rotatable about a vertical axis relative to said footrest; and

collapsible grips supported at a top end of said elongate member.

Claim 19 (withdrawn): A pogo stick that is collapsible for ease of transportation and compact storage comprising:

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a telescoping handlebar comprising a lower tube and an upper tube in which one tube telescopes into the other tube;

a pneumatic spring having a cylinder defining a cavity therein and a shaft extending from said cylinder, said cylinder coupled to a bottom end of said lower tube; and

a pump in communication with said cavity of said cylinder for increasing said gas pressure in said cylinder.

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Claim 20 (withdrawn): The pogo stick of Claim 19 wherein said telescoping handlebar is operatively connected to said pump for increasing the gas pressure in said cylinder by telescopic movement of said upper tube with respect to said lower tube.

Claim 21 (original): A pogo stick that is collapsible for ease of transportation and compact storage comprising:

a handlebar comprising at least one elongate member;

first and second collapsible grips mounted along a top portion of said elongate member;

a collapsible footrest mounted along a bottom portion of said elongate member;

a shaft slidably coupled to said footrest and extending downward for engagement with the ground;

a spring coupled to said shaft and tending to urge said shaft outward from said footrest; and

a means for raising and lowering said handlebar relative to said footrest to reduce the volume of said pogo stick during transportation or storage.